

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : KAHL, Helmut and TIBURTIUS, Bernd

Serial No. : To Be Assigned
(this is a divisional of 09/393,907 filed 03.10.1997 which is a continuation of 08/820,997 filed 03.20.1997 now U.S. Patent No. 5,869,740 which is a continuation of 08/208,626 filed 03.09.1994 now abandoned)

Filing Date : Herewith

Title : A PROCESS FOR PRODUCING A CASING PROVIDING A SCREEN AGAINST ELECTROMAGNETIC RADIATION

Examiner : TALBOT, Brian K.

Group Art Unit : 1762

March 20, 2001

Box **Patent Application**
Assistant Commissioner for Patents
Washington, D.C. 20231

<u>CERTIFICATE OF EXPRESS MAIL UNDER 37 CFR §1.10</u>	
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<p>I hereby certify that this paper and/or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and is address to: Asst. Commissioner for Patents, Box Patent Application, Washington, DC 20231.</p> <p><i>Beylinda J. Hunter</i> Beylinda Hunter</p>	

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR §1.97 AND §1.98

S I R :

The cited references enclosed herewith and listed on the attached form PTO-1449 have come to the attention of the applicants either as part of the prosecution of the parent application and its foreign counterparts or have been cited by opposers during opposition proceedings before the German Patent Office. To date, German Patent No 43 19 965 C2 corresponding to the subject application has been maintained despite these oppositions.

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12-18-02
27N
J1046 U.S. PTO
09/813076
03/20/01

REMARKS

I. *The remarks regarding some of these references are summarized below:*

Reference AF

This document concerns a process for making an elastic sealing for the top of a special metallic package wherein the essential idea of the "process" consists of the provision of a special room temperature curing mixture.

Reference AG

This document describes a sealing ring comprising an elastically deformable sealing material which is provided in gaps of a metallic plate.

Reference AH

This document describes a process for making an elastic sealing for the bodywork of a car by means of a CNC machinery.

Reference AI

This document describes a method for sealing the periphery of a glass panel by means of party material ejected from a nozzle which is carried by a robot arm.

Reference AJ

This document describes a method for applying an adhesive to the periphery of a car glass panel by means of a nozzle carried by a robot.

Reference X

This document shows and describes parts of packages of cases, respectively, on which parts gaskets are provided. The materials for those gaskets and possibilities to apply them are discussed. The enclosures to the document devices for carrying out the process are illustrated and shortly specified.

Reference Y

In this document, the application of foam adhesives by means of CNC controlled devices comprising a mixing head is described.

Reference Z

This document essentially is a shortened text of BLAHA (No. 13a).

Reference AK

This document shortly describes a CNC controlled machine for applying two-component sealing strands without mentioning a special field of application.

Reference AM

The information of this document essentially can be taken from the English brochure "A-60 DISPENSERPRO" (No. 17).

Reference AS

This brochure shortly specifies parts of a freely programmable application and sealing system for sealing palletted components.

Reference AT

This brochure in detailed Figures shows the application of liquid sealing material, adhesive or foam, respectively, onto the edges of casing parts for coupling of products. (In none of those products do the sealing seem to be conductive.)

Reference AV

This brochure shows mixing and dosage systems and components thereof in their appearance and gives a short specification to each photo.

Reference AW

This brochure shows the appearance and some technical details of a dosage machinery as well as some embodiments of specifically configured traces applied on a surface.

Reference AZ

This short note in a German journal just gives some data of a gasket foaming apparatus of the firm Spühl. Corresponding information in the Reference No. 32 is more detailed.

II *Generally, the references pertain to one of the following categories:*

A. References specifying electrically conductive polymer materials for producing conductive seals. Some of these references also include simple manual tools for applying the materials.

References in this category:

G I K N O Q V AN AO AR AY

B. References describing more sophisticated devices for applying a material on a surface in a predetermined configuration - but not disclosing the application of a conductive sealant to the casing of an electronic device as claimed in the present invention.

References in this category:

L U W X Y Z AA AB AE AF AH
AI AJ AK AL AM AP AQ AS AT AU AV
AW AX AZ BA BB BF BG BI

C. References describing the formation of conductive seals which conform to gaps and surfaces of two mating surfaces and irreversibly joining the same.

References in this category:

P BC BD BE

D. References disclosing preformed gaskets.

A B C D F H J R S

The references cited herein have been cited in opposition proceedings in the EPO and are cited out of abundance of caution. Applicants do not believe that any of these references affect the patentability of the claims.


II *Opposition proceeding before German Patent Office:*

Japanese Publication No. 5-4177 is indicated on the List of Cited References (form PTO-1449) on page 6 of 6 at line T. Enclosed is an English language translation of this publication which was prepared and filed by an opponent during opposition proceedings before the German Patent Office. During its deliberations, the German Patent Office considered Japanese reference 5-7177 as the most relevant prior art. This reference is similar to the Morgan reference, U.S. Patent No. 4,931,479 also indicated on the List of Cited References on page 1 of 6 at line K, in that it teaches that heat (at above 150°C) is required for drying, hardening, and curing a sealant material.

Dated: March 20, 2001
New York, New York

Respectfully submitted,

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Enclosure(s): List of Cited References (Form PTO-1449) (77 on 6 sheets)

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-92) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3436-010 DIV	SERIAL NO. To Be Assigned
	APPLICANT KAHL, Helmut; TIBERTIUS, Bernd	
	FILING DATE Herewith	GROUP 1762

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICANT
	A	4,977,295	12/11/90				
	B	3,627,337	12/14/91				
	C	3,885,701	5/27/95				
	D	4,969,653	11/13/90				
	E	4,980,516	12/25/90				
	F	4,659,869	4/21/87				
	G	5,326,611	1/5/94				
	H	3,140,342	1/1/64				
	I	4,011,360	3/8/77				
	J	4,643,864	2/17/87				
	K	4,931,479	6/6/90				
	L	5,099,090	1/24/92				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS YES
	N	JP-A-2-124990	5/14/90	Japan			
	O	JP-A-2-119300	5/7/99	Japan			
	P	JP-A-5-7176(A)	1/14/93	Japan			
	Q	JP-A-57-100795	6/23/90	Japan			
	R	0102391	5/28/86	EP			
	S	2027676	1/18/99	Germany			
	T	02115084	9/1/93	Great Britain			

OTHER DOCUMENTS (including Author, Title, Date, Patent Pages, Etc.)

	U	Prof. Dipl.-Ing. Rudolf Sautter "Numerische Steuerungen für Werkzeugmaschinen"
	V	Emerson & Cuming, Inc., Conductive Plastic EMI/RFI Gaskets
	W	H. Hansmann, Braunschweig, "Laserschweißan in der Feinmechanik"
	X	Laumberger, Reut: Polyurethan Schaumstoffe im Einsatz bei direkt geschäumten Dichtungen, Spuhl AG, Publication, Jan. 1984
	Y	Blaich, Hans J.: Kleben, Schäumen und Gießen - CNC-gesteuert. In: Technische Rundschau, 36/1988
	Z	Blaich, Hans: Produktionsverfahren der Zukunft. In: ADHESION, Issue 3, 199
	AA	King, Geoffrey D.: Improved Foam in Place Gasketing Material. In: SAE Technical Paper Series, 1990
	AB	Hessina, Michelle E.: Automated Dispenser Increases Production and Reduces Rework. In: Adhesives Age, Oct., 1990
EXAMINER		DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line thru citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

[illegible][illegible]

OTHER DOCUMENTS (Including Audio, Film, Photo, etc.)		
AS		Frei programmierbare Auftrags- und Verarbeitungs-systeme, Hilger u. Kern, Brochure, 10/1986
AT		Gleßen, Kleben, Schaumen. Hugo Kern und Liebers GmbH & Co., Brochure, 1985
AU		Low cost robot is easily programmed. In: REINFORCED PLASTICS, Page 80, March 1985
AV		MDA Mikro-Dosier- und Automatisierungstechnik. BARTEC, Brochure
AW		Netech-Molino-Robo-Dosier. Netzech Molnopumpen GmbH, Brochure, 1988
AX		Silicone Adhesive/Sealant. In: Adhesives Age, March 1991
AY		Silver-Filled Flexible Resin Caulking system. Technit EMI Shielding Products, Brochure, 1981
AZ		Sphul, In: PLASTverarbeiter, Page 76, 1985
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U.S. PATENT DOCUMENTS

EXAMINER SERIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	4,157,149	6/5/79	Lenard E. Moen	222	480	10/31/77
	B	4,326,238	4/20/82	Shiro Takeda, et al.	361	386	12/21/78
	C	4,399,317	8/16/83	Garritt C. Van Dyk, Jr.	174	35	9/18/81
	D	4,625,979	12/2/86	Josefino T. Inclong	277	180	8/5/85
	E	4,756,784	7/12/88	Lawrence S. Jones, et al.	156	157	6/2/86
	F	4,904,362	10/23/90	Gilbert Dominguez	118	315	12/13/88
	G	4,993,723	2/19/91	Michael Sroka, et al.	277	180	1/13/89
	H	5,045,635	9/3/91	Joseph J. Kaplo, et al.	174	35	6/16/89
	I	5,089,190	2/18/92	Larry C. Trevalhan, et al.	264	45.9	11/13/89

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	J	DE 4008624		Germany				
	K	EP 0 200 296		EPO				
	L	EP 0 275 171		EPO				
	M	GB 2 054 197		Great Britain				
	N	GB 2 261 324 A		Great Britain				
	O	GB 2 261 324 B		Great Britain				
	P							

OTHER DOCUMENTS (Including Abstracts, Title Data, Pertinent Papers, Etc.)

Q	Paul Ivanli, "Verarbeitung von Einund Mehrkomponenten-Kleb- und Dichtstoffen"
R	Von Dipl.-Phys. Manfred Hof, Waldbronn b. Karlsruhe, "Klebertechniken in der Mikroelektronik"
S	NEMRO-Robo-Dispenser, Memo Pumpen
T	Japan Provisional Publication No. 5-7117, Published Jan 14, 1993; Japan Pat Appln NO. 3-37774 Filed Feb 8, 1991; Portable Telephone Using EMI Shield and Manufacturing Method Thereof; Inventor MATSUMURA, Masaaki (in English) 13 pp with 1 Figure
EXAMINER	DATE CONSIDERED
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